

regulation of mRNA functionality comprises an alteration in pre-mRNA processing or in the stabilization, translational efficiency, localization, sequestration, editing, or splicing functions of said mRNA form of said fusion nucleic acid.

12. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 1 [or a subfragment nucleic acid derived from SEQ ID NO: 1].

13. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 2.

14. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 3.

15. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 4.

16. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 5.

17. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 6.

18. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 7.

19. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 8.

20. The isolated nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 9.

21. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 10.

22. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 11.

23. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 12.

24. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 13.

25. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 14.

26. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 15.

27. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 16.

28. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 17.

29. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 18.

30. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 19.

31. (Amended) The isolated fusion nucleic acid of 32, wherein the nucleotide sequence of said first nucleic acid comprises SEQ ID NO: 20.

Add the following new claims 32-34.

32. (New) An isolated fusion nucleic acid, comprising a first nucleic acid operably linked to a heterologous second nucleic acid, wherein said first nucleic acid comprises any one of SEQ ID NOS: 1-20, and wherein the mRNA form of said first nucleic acid has RNA binding activity or regulates the functionality of the mRNA form of said fusion nucleic acid.

33. (New) The isolated fusion nucleic acid of claim 32, wherein said fusion nucleic acid is DNA or cDNA.

34. (New) The isolated fusion nucleic acid of claim 32, wherein said fusion nucleic acid is mRNA.

REMARKS

The present invention provides nucleic acids that contain an untranslated region (UTR) operably linked to a heterologous sequence. The UTR has RNA binding protein (RBP) binding activity or regulate the function of the heterologous sequence.